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09/673923

Paper No.

5

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[54] METHOD AND APPARATUS FOR TREATING
SUBCUTANEOUS HISTOLOGICAL
FEATURES[75] Inventor: Robert Bruce Spertell, Northridge,
Calif.[73] Assignee: Microwave Medical Corp., Simi
Valley, Calif.

[21] Appl. No.: 08/904,175

[22] Filed: Jul. 31, 1997

[51] Int. Cl.⁷ A61F 2/00[52] U.S. Cl. 607/101; 607/102; 607/154;
606/9; 606/31[58] Field of Search 607/100-102,
607/115, 154, 156; 606/27-34, 41-42, 9-13;
128/898

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Primary Examiner—Cary O'Connor

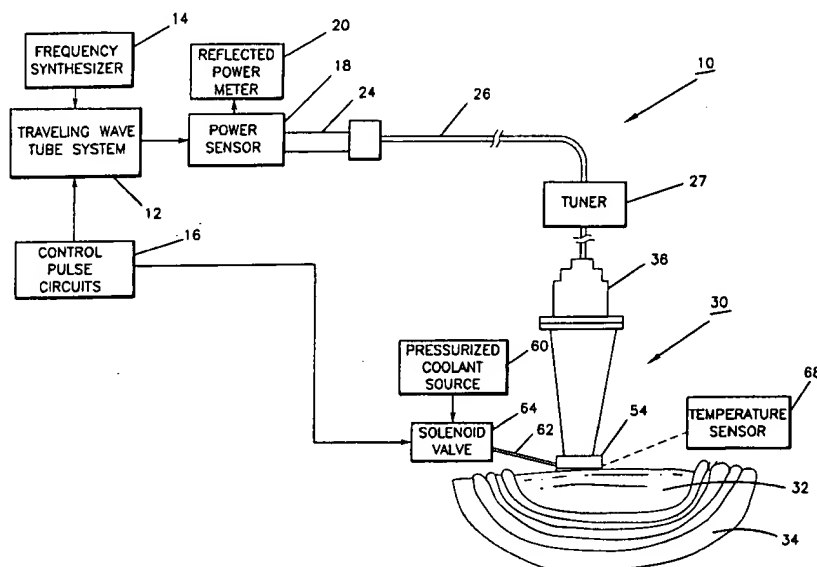
Assistant Examiner—Ryan Carter

Attorney, Agent, or Firm—Raymond A. Bogucki

[57] ABSTRACT

A system and method for treating subcutaneous histological features without affecting adjacent tissues adversely employs microwave energy of selected power, frequency and duration to penetrate subcutaneous tissue and heat target areas with optimum doses to permanently affect the undesirable features. The frequency chosen preferentially interacts with the target as opposed to adjacent tissue, and the microwave energy is delivered as a short pulse causing minimal discomfort and side effects. By distributing microwave energy at the skin over an area and adjusting power and frequency, different conditions, such as hirsutism and telangiectasia, can be effectively treated.

12 Claims, 8 Drawing Sheets





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Appln Info

Contents

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